7-18.

2017-18. ವ
ಕ. ಕಚೇರಿ ಎಚಂಜಿನಿ,
3545018ರ 354600
ರು ಪ್ರತಿಸಂಖ್ಯೆಯಲ್ಲಿ ಅಪಿ,

Executive Engineer 22/04
Executive Engineer
...ura Division
...Mp, Bangalore-32
22/04 22/4/17

SBR - 53/17-18
dt - 30/6/17

354501

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. I^st and Final Bill
Name of Work Improvements to drains and asphalting to roads in Balaji layout From To
Name of Contractor of nature of Agency in ward no. 8.
Date of commencement of work

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Est. cost:- Rs. 20,00,000/- JOB code no:- 008-15-000038 AS/NO:- AS/CB/(YNK)/131/2014-15, dt:- 11/03/2015 TS/NO:- TS/EE(BTP)/349/14-15, dt:- 21/03/2015. work order no:- BBMP/EE/BTP/WO/143/2016-17, dt:- 24/10/2016 Agency:- Sri. Vasanth. R. Date of commencement:- 01/03/2017 Date of completion:- 25/4/17 1) Remarks B.S slab of drain and stability						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	= Qty vide premeasurement ref MB No: 2584/14-15 page no: 2583 9/2						
	1075.80 m² @ 60.00/sqm					Rs. 64548.00	
y	Retaining stone slabs of drain and pointing in CM (1:3) = Qty vide premeasurement ref MB No: 2584/14-15 page no: 2583 9/2						
	1022.01 m² @ 80.00/sqm					Rs. 81760.00	
3)	providing granite slab of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing cutting etc complete (10.0cm thick).						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	Qty v	
	53	
4)	Earthworks excaetion in ordinary laterised strata excavated strata levelled to be levelled mushy after = Qty	

BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
⁵	ref MB 2584/14-15		
	8391/2		
	60.00/Sqm		h. 64548.00
	ulley in CM (1:3)		
	⁵ ref MB No: 2584/14-15		
	8393/2		
	h. 80.00/Sqm		h. 81760.00
	ality roughly dressed and fixed		
	anite stone = complete (10.00 cum		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354502

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		Qty vide	Previously ref			MB No:	2584/14-15
			Page No: 258393/2				
		53.79 m²		750.00		h.	40362.00
					704.16/Sqm		
4)	Earthwork excaetion by manual mean in ordinary soil inverting an average lead upto 2 miles and an average lift upto 0.3m, excavated trench levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification						
	= Qty vide previously ref					MB No:	2584/14-15
			Page No: 258393/2				

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		417.78 m²			@ 80.00/cum	Rs	33422.00
5)	Scarifying existing stone metal layer upto 75mm thick along with dust, bituminous materials and stacking of old loose material upto 50m lead of aggregate on prepared base and consolidating as per code based macadam specification including cost of all labour, tools & machine complete as per specification.						
	= Qty vide premeasurement by Form No 2584/14-15 page No: 28394/2						
		1561.75 m²			@ 90.00/sqm	Rs	140512.00

erial No. .....
ame of Work .....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work
1	2
6)	Providing and laying wet mix macadam [illegible] water at OMC in mech by tipper to site laying bay comm on work Prepa to achieve the desired den = Qty

BOOK

ns		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
h.	80.0/cum	Rs	33422.0
	layer upto 75mm thick picking up scarified d material, with load of nged aggregate, mech fresh ing as per code board mix abour, use of machine		
ult of	MB no 2584/14-15		
o: 2	58394/2		
	90.0/sqm	Rs	140512.0

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354503

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
6	Providing and laying spreading and compacting graded stone aggregate & wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification.						
	= Qty vide premeasurement of MB no: 2584/14-15 page no: 258395						
		312.25 m³		1550.0/cum		Rs	483987.0

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	applied glass beads as per IRC : 35 the finished surface to be level uniform and true shape and lines, complete as per specifications.						
	Existing road =	2×1	180.0	0.10	=	36.0	
		30×1	5.50	0.10	=	16.50	
		2×1	115.0	0.10	=	23.0	
		2×1	121.0	0.10	=	24.20	
		20×1	5.50	0.10	=	11.0	
		2×1	49.0	0.10	=	9.80	
		8×1	5.50	0.10	=	4.40	
						124.90 sqm	
						@ Rs 485.0/sqm Rs. 60576.0	
13)	Providing and laying in position plain cement concrete consists of mix 1:4:8						

M

rial No. .....
me of Work .....
me of Contractor of nature of Agency .....
te of commencement of work .....

ate	Full description, etc, of work	Nu
	2	
	with opc cement @ graded metal coarse aggregate machine mixed. concrete well compacted in foundation labour, hire of machine,	
	= Qty	
		2.
14)	providing and constr	

OOK

	Depth 6	Contents 7	Reference to last Measurement 8
		...filled surface to be level	
		...ds as per specifications.	
		= 36.0	
		= 16.50	
		= 23.0	
		= 24.20	
		= 11.0	
		= 9.80	
		= 4.40	
		124.90 sqm	
		485.0/sqm Rs. 60576.0	
		...crete	concrete of mix 1:4:8

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354507

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	with opc concrete @ 180 kg with 40 mm and down size graded graves mixed coarse aggregate @ 0.85 cum and fine aggregate @ 0.57 cum machine mixed concrete laid in layers not exceeding 15 cm thick well compacted in foundation and plinth including cost of all materials labour, hire of machine, mix, complete as per specification						
	= Qty vide						
	Page No: 258397	2.44 m³				Qty 4900.0/cum	Rs. 11956.0
14	providing and constructing granite / stone / basalt size stone masonry						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	in superstructures with cliffle dressed in course not less than 15 cm bed stone shall be true & apart in each course including cost of materials, labour, mixg complete as per specification = Qty vide premeasurement of RMB No: 2584/14-15 Page No: 258392	cement mortar			1:6	Edge of stone	
		7.02				Rft. 4400.00/cum	Rft. 34398.00
15)	providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm wide & curing including cost of materials, labour, mixg complete as per specification cement mortar.						

erial No. .....
ame of Work .....
ame of Contractor of nature of Agency .
ate of commencement of work .....

Date	Full description, etc, of work
	2
	16) providing and la with cement @ no mixed coarse grain mixed, cured laid i in foundation plinth o Hom of masonry, cem

BOOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
	1:6 Edge of stone 15 cm thick. band including cost of all specification		
			as per MB No: 2584/14-15 258397
			400.00/cum R. 34398.00
			stone masonry with cement mortar, joints to depth of with labour. complete

M. A. R. 57 (Rule 116)
Measurement Book

No. B

354508

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	= Qty vide premeasurement as per MB No: 2584/14-15 Page No: 258397					11.70 cum	@ Rs. 100.00/cum Rs. 1170.00
	46) Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 310 kgs. with, coarse and fine sized graded granite metal coarse aggregate @ 0.87 cum and fine aggregate @ 0.459 cum reading mixed, concrete laid in layers not exceeding 15 cm thick well consolidated in foundation, plinth and with including cost of all materials, labour, hoisting, curing complete as per specification.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	:- Qty vide premeasurement ref amb no: 2584/11-25 page no: 258 397/2						
		1.95				m³ @ Rs. 5400.00/cum Rs.	10530.00
17)	providing and laying in position reinforced cement concrete of design mix M30 using 20mm nominal size, graded granite metal, coarse sand, fine sand @ 0.459 cum, with superplasticizer @ 3lit. confirming to IS 9103-1999 reaffirmed - 2008, machine mixed, cement slump in layers not exceeding 15 cm thick, vibrated for all works in foundation plinth and ground floor level for raft slabs, staircase, lintels, retaining walls, walls (any thickness) including attended						

erial No. .....
ame of Work .....
ame of Contractor of nature of Agency ....
ate of commencement of work .....

Date	Full description, etc, of work
	2
	plasters, column, pier or lacing course parapet, window, sills, sunk machine, cutg, compl
	Deck Slab =
18)	Providing TMT S cutting bending, hooking

Contents	Reference to last Measurement
7	8
	ref Comp No. 258/11-12
	Rs. 10530.00
	cement concrete 1:2:4 with 20mm aggregate @ 0.87 cum and @ 31% curing mixed. cement bags for all works in slabs, staircase including attendance

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354509

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	plastering, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing course parapets, coping, bed blocks, anchor blocks, plain window, cills, sunk slabs etc. including cost of all materials, labour, HOM & machine, curing, complete, as per specification.						
	Deck slab =	1×1	6.50	2.10	0.225	= 3.07	
						3.07 m³	
					@ 6200.00/cum	Rs. 19034.00	
18)	Providing TMT steel reinforcements for R.C.C works including straightening cutting bending, hooking placing in position tapping and/or welding where						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	required, tying with binding wire and anchoring to the adjoining brickwork wherever necessary complete as per design (Lab. charges and wastage shall not be measured and paid) cost of materials labour, tools & machine complete as per specification.						
	= Qty vide Pre measurement Bk No: 2584/14-15 Page No: 25398/2						
	2.15 Tonne					Qty 8000.00 Rate	Rs. 17200.00
19)	Providing and refixing removal of door frame any thickness, including attached plaster, architrave, plinth & string course, cost of all materials.	centering, shuttering, propping etc. and for required number, width & length of labour complete as per specifications.					

erial No. .....
ame of Work .....
ame of Contractor of nature of Agency
ate of commencement of work .....

Date	Full description, etc, of work
	2
	=
20)	Lead for disposal mechanical mean in

K

epth 6	Contents 7	Reference to last Measurement 8
...aig	to the adjoining	
...rgn	(Lab. Wood and	
	Cost of materials	
	specification.	
	...mt no: 2584/14-15	
	/2	
	0. /call Rs. 17200.00	
	...p. Propping etc. and	
	...ed with 3 coats of	
	...ottom plate of spring	
	...s per specification.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354510

...erial No. .....
...ame of Work ..... From..... To.....
...ame of Contractor of nature of Agency .....
...ate of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	= Qty vide	Remeasurement ref				...mt no: 2584/14-15	
		page no: 258/398					
		9.71 m²		@ Rs. 300.00/sqm		Rs. 2913.00	
20)	Lead for disposal of debris shall be payable as carriage rate by mechanical mean including loading and unloading. from 0.00 to 2.00 km.						
	Qty vide item no (4)					= 417.78	
						417.78 sqm	
				@ Rs 84.00/sqm		Rs 35093.00	

Cafe
Rs 30/8/17

25/8/17

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total Rs 20,61,198.00	
						~~20,56,202-~~	
						Total 20,56,766-00	

certificate:-

* Work done is satisfactorily
* All debris clearance from the work spot using contractor own vehicle
* There are no deductions to be made to the above work.

25/4/17

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BE/218/30-6-

rial No. .....
me of Work .....
me of Contractor of nature of Agency
te of commencement of work .....

ate	Full description, etc, of work
	2

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ.
ಗ್ರಾ ಪಾವು ಮಾಡಿದೆ: ಇದರ
ಸಂಪಾದನೆ ಮಾಡಿಕೊಂಡು ಉ
Rs Nineteen Lak
Eight Hund
ಮುಖಾಂತರ ನಿರ್ವಹಣೆ
ಲೆಕ್ಕಾಧಿಕ್ಷಕರು
ಯ ಪಾವತಿಯ ವಿಭಾಗ
ಬೃ. ಬೆ. ಮ.
8016

OK

Depth 6	Contents 7	Reference to last Measurement 8
	Total Rs 2061198.00	
	20,56,202-	
	Total 20,56,766-00	

...ub ...ples ...ing contractor

...for work to the above works.

...ve Engineer,
... Division,
...e, B.E.B.M.P.,
...ore.

Be/218/30-6-17

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354511

...erial No. .....
...ame of Work ..... From.....
...ame of Contractor of nature of Agency .....
...ate of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 20567660-					Total Rs: 20,56,766-00	
	ಗಳ ; ಪಾರು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 151888-00					ST - 20568-00	
	ಹೊಣಾಣಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 1904878-00					VAT - 82271-00	
	Rs Nineteen Lakh four thou...					Cess - 20568-00	
	...eight hund... seventy eight ...					CBF - 2057-00	
	ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ					LR - 22624-00	
	...ishna ... Chandan 30/6					Fire - 3800-00	
	ತಕ್ಕಾಧೀಕ್ಷಕರು					Add 151888-00	
	... ಆಯುಕ್ತರ ವಿಭಾಗ					Cash 1904878~	
	ಸಂ. ಪಿ. ಮಾ-8016						